PURWANCHAL UNIVERSITY
VII SEMESTER FINAL EXAMINATION-2004

LEVEL : B. E. (Computer/Electronics & communication)
SUBJECT: BEG470CO, Web Programming Techniques
Full Marks: 80
TIME: 03:00 hrs **Pass marks:** 32

Candidates are required to give their answers in their own words as far as practicable.
All questions carry equal marks. The marks allotted for each sub-question is specified along its side.
Attempt ALL questions.

Q.[1] **[a]**What is web server? How does a client browser communicate with the web server? Explain with neat diagram. [5]
[b]What are the basic needs for designing an effective web page? What do you mean by HTML-editors and HTML-converters? [5]

Q.[2] **[a]**What are the advantages of JavaScript? Explain. [5]
[b]What do you mean by events in JavaScript? How JavaScript handles these events? Discuss with example. [5]

Q.[3] [a]What are cookies? Explain its uses. [5]
[b]Describe DHTML with a simple example [5]

Q.[4] **[a]**Explain JavaScript Document Object Model. [5]
[b]What are different dialog boxes provided by JavaScript? [2]

Q.[5] **[a]**What do you mean by CGI? Explain how it works with neat diagram. [8]
[b]What PERL is used for CGI? [2]

Q.[6] **[a]**What are different methods of extracting information from an Associative array in PERL? [5]
[b]How can you access database using PERL? Give the necessary steps. [5]

Q.[7] **[a]**Explain different methods of debugging in PERL. [8]
[b]What is VBscript? What are different data types supported by it? [2]

Q.[8] **[a]**Construct an HTML form to accept the user information with necessary controls. The user needs to provide his email-id and password. [2]
[b]In Q.[8] [a] validate the email-id and password in the client side by using VBscript or JavaScript. [4]
[c]In Q.[8] [a] write a CGI program “check.pl” using PERL to check the valid username and password with a user name and password stored in database “login.mdb”.(provided “ori-lib.pl”). [4]

PURWANCHAL UNIVERSITY
VII SEMESTER FINAL EXAMINATION-2005
LEVEL : B. E. (Computer/Electronics & communication)
SUBJECT: BEG470CO, Web Programming Techniques
Full Marks: 80
TIME: 03:00 hrs **Pass marks:** 32

Candidates are required to give their answers in their own words as far as practicable.
All questions carry equal marks. The marks allotted for each sub-question is specified along its side.
Attempt Any EIGHT questions.

Q.[1] **[a]**What is HTML? What are paired and singular tags? Give the structure of any HTML program. [5]
[b]Write the HTML codes for making following table. [5]

S.No.	Name	Marks	
		Science	Math
1	Tina	80	98
2	Isha	78	95
3	Lan	85	96

Q.[2] **[a]**What are Scripts? What are the differences between DHTML and HTML? [5]
[b]Where are VBscripts generally used? Explain different tools used with VBScripts. [5]

Q.[3] **[a]**Explain JavaScript Document Object Model. [5]
[b]What are events and event handlers in JavaScript? Explain with examples. [5]

Q.[4] **[a]**What are different dialog boxes supported by JavaScript? Explain. [5]
[b]What are the advantages of using JavaScript? Explain. [5]

Q.[5] **[a]**Write a program in JavaScript that allows a user to enter any two numbers in any two text boxes and display their sum difference in a third text box when two command buttons labeled sum and difference respectively are clicked. [5]
[b]Write a program in JavaScript to calculate factorial of an integer number.

Q.[6] **[a]**What do you know about CGI programming? Explain the methods that are used to send data from client to CGI programs. [5]
[b]What are Cookies? Give its advantages and also give the syntax for setting the cookie. [5]

Q.[7] **[a]**What are associative array? What are different methods for extracting information from an associative array? [8]
[b]Give different methods for listing the PERL program while in debugging mode. [2]

Q.[8] Write a PERL program for searching a person's address. There should be following facilities: [10]
accept the user's name and address has facility to upload new name and address.
A PERL program that will searc the address of given name and display it and should be able ot update the dtat base with new name and address. (use "cgi-lib.pl")

Q.[9] **[a]**List down differences between Java and JavaScript. [4]
[b]What is JDK? Explain how a program written in a Java can be run in a web page. Give a sample program. [6]

PURWANCHAL UNIVERSITY
VII SEMESTER BACK-PAPER EXAMINATION- 2005
LEVEL : B. E. (Computer/Electronics&Communication)
SUBJECT: BEG470CO, Web Programming Techniques
Full Marks: 80
TIME: 03:00 hrs **Pass marks:** 32

Candidates are required to give their answers in their own words as far as practicable.
All questions carry equal marks. The marks allotted for each sub-question is specified along its side.
Attempt any EIGHT questions.

Q.[1] **[a]**Discuss the use of HTML in today's world. What are HTML editors and converters? [5]
[b]Why do we need dynamic HTML? What do we need to make a webpage dynamic? Explain [5]

Q.[2] **[a]**What are VBScript? Explain different tools used for VBScript? [5]
[b]Write a VBScript to validate the client side information. The information consists of an email address and password. Validation should be based on following.
- Fields should not be blank.
- Email id should contain '@' and '….'
- Password should be at least of six characters.

[1+2+3]

Q.[3] [a]What is JavaScript? Where is it used? Explain the advantages of using JavaScript. [5]
[b]Explain JavaScript document object model. [5]

Q.[4] **[a]**What are different dialog boxes supported by JavaScript? Explain. [5]
[b]Write a JavaScript that will ask a question is "10+10"? If the user answers it correctly. ……

Q.[5] **[a]**What is CGI programming? Explain why we need CGI programs.

Q.[6] **[a]**What are different environment variables passed to CGI programs by a web server? Explain.

Q.[7] **[a]**Why are PERLS used as CGI programs?
[b]What are library files in PERL? Who do we write and include such library files in our program? Explain the use of some subroutine present in "org.lib.pl".

Q.[8] What are different PERL strings? What are the differences between an associative array and an index array?

Q.[9] Explain the use and syntax if different array functions used in PERL along with examples.

Q.[10] Design a web site for your college string tables, links, images , and lists.

PURWANCHAL UNIVERSITY
VII SEMESTER FINAL EXAMINATION- 2006
LEVEL : B. E. (Computer/Electronics&Communication)
SUBJECT: BEG470CO, Web Programming Techniques
Full Marks: 80
TIME: 03:00 hrs **Pass marks:** 32

Candidates are required to give their answers in their own words as far as practicable.
All questions carry equal marks. The marks allotted for each sub-question is specified along its side.
Attempt any EIGHT questions.

Q.[1] **[a]**What is frame in HTML? What are paired and singular tags in HTML? [1+1.5+1.5]
[b]Write HTML code for sample home page of an organization's web site. Your code should include at least hyperlink, frames and link with images. [6]

Q.[2] **[a]**What is JavaScript? What are main features of Javascript? [2+3]
[b]What are events and events handlers in JavaScript? Explain with examples. [5]

Q.[3] [a]What is DHTML? What are man advantages of using DHTML over HTML? [2+3]
[b] Define Cascading Style Sheets (CSS). Explain with a suitable example. [2+3]

Q.[4] **[a]**Write HTML code to build a form which allows user to enter email id and password. [3]
[b]Validate above email id and password in client side by VB Script. The email id shuld have (i) @character (ii) dot(.) (iii) @character should be before dot and (iv) password must have at least ten characters (v) Fields shouldn't be blank. [7]

Q.[5] **[a]**What are cookies? What are advantages using cookies in web pages. [2+3]
[b]Write a program in JavaScript that allows user ot enter an integer number n in a text box. Display the factorial of this number. [5]

Q.[6] **[a]**What is CGI and CGI program? How information is transferred from web browser to a CGI programs. [1.5+1.5+3]
[b]What are advantages of using PERL and CGI? [4]

Q.[7] **[a]**What are man features of PERL? What ate strings in PERL? [3+2]
[b]Write a PERL program that asks user for ten numbers from keyboard and store the numbers in an indexed array. Calculate the display their sum. [5]

Q.[8] **[a]**Write the HTML code to create a registration form that allows user to enter first name, middle name ,password, phone and email in different text boxes. [4]
[b]Explain JavaScript document object model. [6]

Q.[9] **[a]**What is debugging? What are different commands to set a work with break points while in debugging mode? [2+3]
[b] What is JDK? Compare Java with JavaScript. [2+3]

PURWANCHAL UNIVERSITY
VII SEMESTER FINAL EXAMINATION- 2007
LEVEL : B. E. (Computer/Electronics&Communication)
SUBJECT: BEG470CO, Web Programming Techniques
Full Marks: 80
TIME: 03:00 hrs **Pass marks:** 32

Candidates are required to give their answers in their own words as far as practicable.
All questions carry equal marks. The marks allotted for each sub-question is specified along its side.
Attempt any EIGHT questions. [8×10=80]

Q.[1] **[a]**Explain the communication process between client and Server. [5]
[b]Define HTML. What are the benefits of using frames of HTML webpage? [2+3]

Q.[2] **[a]**What is JavaScript? Explain with examples, the different type of dialog boxes supported by JavaScript. [2+3]
[b]Write a program in VBScript that will accept any two numbers from user and print out the greatest number of two numbers. [5]

Q.[3] [a]What are the advantages of using JavaScript in a webpage? [2+3]
[b] What do you mean by Cookie? Explain its syntax. [5]

Q.[4] **[a]**Design a HTML form with at least three different form elements. Verify whether each field are filled/checked upon submission using JavaScript. [5]
[b]Design a HTML table as shown in figure. [5]

Product		Model A	Model B	
DIGITAL	TYPE			
	Normal	Rs.6000	Rs 6500	
	Flat	Rs 6300	Rs7200	?

Q.[5] **[a]**Write a program to find out the total numbers of passed and failed students out of 10 students by accepting user input. (1= pass, 2=fail). [7]
[b]What is JDK? Explain at least two component of JDK. **[3]**

Q.[6] **[a]**What is CGI Script? How the data from HTML FORM is processed by CGI program. [5]
[b]In how many methods the Form data are passed to webserver. [5]

Q.[7] **[a]**How user Data and Variables are handled by PERL. Explain with Example. [5]
[b]Describe indexed Array used in by PERL. [5]

Q.[8] **[a]**Assume that Associative array contains six elements pairs. Write a program that will display all pairs from it. **[5]**
[b]What is document object model in JavaScript? [5]

Q.[9] **[a]**Write a program that will extract first name and lastname from Database and Display it by concating them. (Use CGI-LIB.PL). Assume necessary database fields data. [5]
[b] Write a short note on debugging in perl. [5]

PURWANCHAL UNIVERSITY
VII SEMESTER FINAL EXAMINATION- 2008
LEVEL : B. E. (Computer/Electronics&Communication)
SUBJECT: BEG470CO, Web Programming Techniques
Full Marks: 80
TIME: 03:00 hrs **Pass marks:** 32

Candidates are required to give their answers in their own words as far as practicable.
All questions carry equal marks. The marks allotted for each sub-question is specified along its side.
Attempt any EIGHT questions.

Q.[1] **[a]**What is list tag in HTML? Describe different types of list tags with HTML code. [5]
[b]Create a HTML table as shown below: [5]

Bus Name	Place	Destination	Time		Fare
			Arrival	Departure	
Agni	Ktm	Biratnagar	6:00PM	5:30AM	Rs.600
Makalu	Ktm	Dharan	4:00PM	5:00Am	Rs.500
Miteri	Ktm	Kakarvitta	7:00PM	5:00Am	Rs.800

Q.[2] **[a]**How VB Script is implemented in HTML? What are the tools used for VBScript? [2+3]
[b]Design a HTML form with at least three different form elements. Verify whether each field is filled/checked upon submission using VBScript. [5]

Q.[3] [a]Design a drop down menu in HTML and show the user selected option value in a text box using JavaScript. [5]
[b] What is dialog box? Describe briefly different types of dialog box in JavaScript. [1+4]

Q.[4] **[a]**Create an HTML page that displays two text boxes and two radio buttons. The first text box accepts a numeric value. If the first radio button is active, double the entered number (i.e. multiply by two) in the first text field will be displayed in the second text field. If the second radio button is active the square of the number entered in the first field will be displayed in the second text box. [6]
[b]Differenciate between Java and JavaScript. [4]

Q.[5] **[a]**Define array in JavaScript. Describe any two array handing function in JavaScript. [1+4]
[b]What is cookie? Illustrate with simple program example.[5]

Q.[6] **[a]**what is CGI Script? Discuss the working principle of CGI script. [1+5]
[b]What is environmental variable? Write the function of any two environmental variables. [4]

Q.[7] **[a]**What is PERL? Why PERL is the choice for writing the CGI scripts? [1+5]
[b]Define an associative array. Describe with appropritte program exmple, how information is extracted from an associative array. [1+5]

Q.[8] **[a]**What is regular expression? Write a program that will match all occurrence of a word “The” in, a user defined program. [5]
[b]Write a program in Perl to find the largest number contained in an array. [5]

Q.[9] **[a]**Write a program in PERL that will display all the data in database. (Note: use “CGI-LIB.PL” for parsing user input and assume necessary data for database.) [6]
[b] What are the different commands to set and work break points while in debugging mode?

PURWANCHAL UNIVERSITY
VII SEMESTER BACK-PAPER EXAMINATION- 2008
LEVEL : B. E. (Computer/Electronics&Communication)
SUBJECT: BEG470CO, Web Programming Techniques
Full Marks: 80
TIME: 03:00 hrs **Pass marks:** 32

Candidates are required to give their answers in their own words as far as practicable.
All questions carry equal marks. The marks allotted for each sub-question is specified along its side.
Attempt any EIGHT questions.

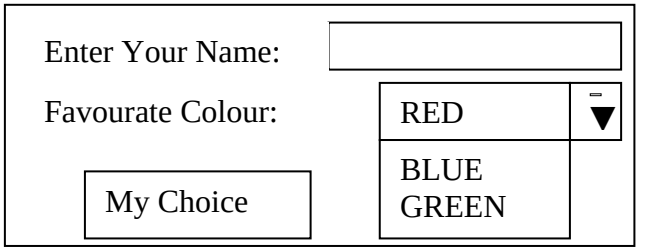
Q.[1] **[a]**Give the basic structure of HTML Program. [5]
[b]What is an image map? Write the HTML program for the give display. Align the table centrally and assume values for different attributes of the <TABLE> tag on your own. [2+3]

Name	Age
Sanjaya	27
Damodar	40

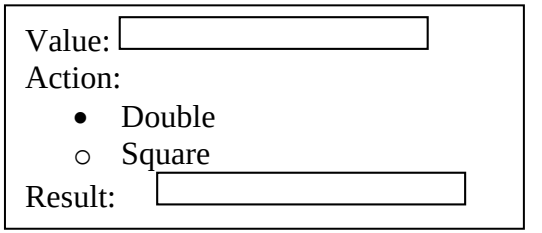
Q.[2] **[a]**Design a small website for an engineering campus using frames, images and hyperlinks. [5]
[b]What is DHTML? What are cascaded style sheets? Write a small program in DHTML using a few attributes of font, color and text. [2+3]

Q.[3] [a]Write a program in DHTML using different attributes of <LAYER> tag. [5]
[b] Write a program in VSScript to allow a user to enter any tow integer values through two different text boxes and display the sum in the third text box.

Q.[4] **[a]**Write a program in VBScritp to change the background color of a document to red when the user clicks on a command button labeled "Change to red". [5]
[b] Write a program in VBScript for the given display. [5]

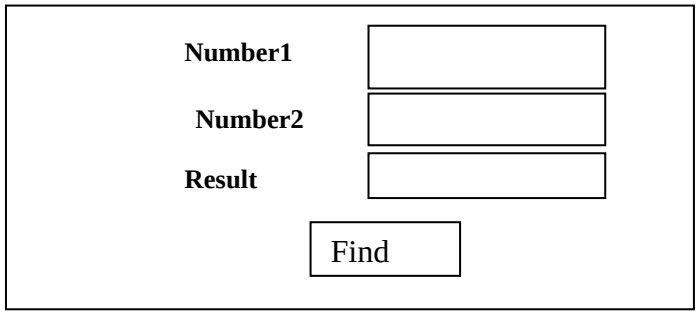


Q.[5] **[a]**Write a program in JavaScript to design a simaple claculatro that can add, multiply, subtract and divide number and display the result. [5]
[b]Write a program in JavaScript using form for the given display: [5]



Also include code that can allow user to enter a number in the first text box, click on either of two radio buttons displaying the result (either the double or square of number entered in the first text box) in the second text box.

Q.[6] **[a]**Write short notes on: [2.5+2.5]
[i] JavaScript document Object Model
[ii] JDK
[b] Write a program in JavaScript to allow a user to enter any two numbers using two text boxes in a form and display the greater of the two number in a third text box when a command button is checked. Use this form design. [5]



Q.[7] **[a]**What is CGI? Explain how a CGI program returns information to a server. [2+3]

[b]What are scalar variables in PERL? Write a program in PERL to store a value in a scalar variable and display the content of that scalar variable. [2+3]

Q.[8] **[a]**What is an array? Write a program in PERL to store names of 12 months in an array and display those name s. [1+4]

[b]Write a program in PERL to calculate the sum of number from 1 to 100 using a for loop. [5]

Q.[9] **[a]**Write a short note on database connectivity using PERL and CGI. [5]

[b] What is event handling in JavaScript ? Explain . [5]